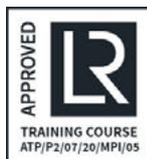


Corrosion Under Insulation Specialist

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Approved by:



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academy

Corrosion Under Insulation Specialist

A simple definition of CUI is external corrosion of a steel structure, such as pipes, vessels, or tanks fabricated from carbon, low alloy, and austenitic stainless steel, that occurs underneath insulation or fire proofing due to the permeation of moisture or water.

CUI is a well-known and widespread corrosion phenomenon in the process industries, specifically oil, gas, and petrochemical, which use many insulated structures subject to variable corrosive environments.

Virtually every process plant with insulated or fireproofed structures will have CUI to some extent.

The extent of the CUI will depend upon the management and inspection control and the repair and rectification process of the plant during operation and shutdown.

CUI is very expensive and it is estimated that between 40-60% of piping maintenance costs are related to CUI. Undetected CUI can lead to leaks and potential explosions and serious environmental implications.

This training course has been developed by industry experts and offers an insight into corrosion, corrosion under insulation and fireproofing, Inspection and management of assets.

Why do this course?

- This CUI course will give a detailed review of the CUI process to insulated and fireproofed structures over several training units and lessons. All the material is online and contains comprehensive information on corrosion and corrosion under insulation.
- The course will provide the user with industry knowledge on CUI and how to manage CUI with specific inspection and detection methods.
- The course will also provide the user training on the insulation and coating systems used for protection of structures and the specific testing of products. The course offers a structured training platform that users can learn from and use as technical support.

Course Content

- Introduction to CUI
- Why CUI Occurs
- Corrosion
- Insulation
- Jacketing/Cladding
- Protective Coatings
- CUI Detection Methods
- Maintenance and Repair
- Standards and Industry Best Practices

Who will benefit from studying this course?

- Corrosion Engineers
- Designers of Plant and Equipment
- Coatings Inspectors
- Insulation Inspectors
- Pipeline Inspectors
- Asset Integrity Personnel
- Painting Contractors
- NDE Personnel
- Fabric Maintenance Personnel
- Plant Maintenance Personnel
- Suppliers of Insulation Materials
- Suppliers of Coating Materials
- Personnel who have an interest in CUI

Course Pre-requisites

There are no prerequisites to attend this course; however, personnel attending the course would benefit from:

- Painting Inspection qualification
- Insulation Inspector qualification



Study Time

24 hours. Unlimited access to the training platform for 12 months.



Certificate achieved

Certificate of Achievement in Corrosion Under Insulation Specialist accredited by Lloyd's Register.



Assessment

Upon successful completion of the online training and multiple choice tests, students will be required to sit a final 45 minute, 50 Question Multiple Choice Exam and pass with 70% to achieve the accredited Corrosion Under Insulation Specialist qualification.



Course and Assessment fee:

£595 + vat

Online Assessment Fee: £75

Meet the authors

This training course has been written by Brendan Fitzsimons and Trevor Parry - two leading figures in the protective coating industry, whose names are synonymous with expertise and professional standards in protective coatings and corrosion control.



Brendan Fitzsimons

Having spent over thirty years within the protective coatings industry, Brendan has worked as Divisional and Technical Director and Technical Authority for major multinational organisations in oil/gas, petrochemical, marine and civil industries.

Acquiring the highest level qualifications within the industry including MSc Master's Degree, Material Engineering, CSci Chartered Scientist, NACE Protective Coatings Specialist and NACE Corrosion Specialist, Brendan is keen to share his knowledge and experience through accessible training programmes.

Having published the books 'Inspectors Manual Visual Comparison Manual', 'Fitz's Atlas of Coating Defects' and 'Fitz's Atlas of Coating Surveys Coatings' the name Fitzsimons is synonymous with excellence through the industry.

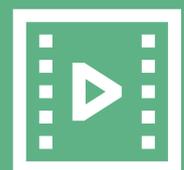


Trevor Parry

As a Chartered Scientist, a Chartered Chemist, a Fellow of the Royal Society of Chemistry, a professional member of the Institute of Corrosion and a member of NACE, Trevor has over forty years' experience in the protective coatings industry. He is currently working as an independent coating consultant, principally involved in the evaluation of paint coatings, their modes and mechanisms of failure, cause and extent of breakdown and recommendations for their remedial treatment.

Trevor has sat on multiple British Standards Technical Committees and acted numerous times as Principal UK expert to the International Standards Organisation.

**View demo
training units**



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